

Schena, Cristeen

From: Smagula, Amy <Amy.Smagula@des.nh.gov>
Sent: Wednesday, January 30, 2013 12:11 PM
To: Nelson, Eric
Subject: FW: Asian clam monitoring in 2013

Eric,
Here's the reply I got from F&G relative to this monitoring.

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Amy P. Smagula  
Limnologist/Exotic Species Program Coordinator  
NH DES  
29 Hazen Drive  
Concord, NH 03301  
Phone: 603-271-2248  
Fax: 603-271-7894  
Email: Amy.Smagula@des.nh.gov

-----Original Message-----

**From:** Marchand, Michael [mailto:Michael.Marchand@wildlife.nh.gov]  
**Sent:** Thursday, January 24, 2013 1:18 PM  
**To:** Smagula, Amy  
**Subject:** RE: Asian clam monitoring in 2013

You could include the 2 lakes since we only know of a handful of sites but for true comparison you may run plots away from the thermally impacted areas. For instance, in the Merrimack, you could set up plots at Bow powerplant, and repeat plots every say 0.25 mile or 0.5 mile downstream (distance may depend on how fast temperatures change). Measure both clam and native mussel densities, temperature, etc. Although, since winter temperatures seem to be the key, you may want to use data loggers to get yearround temps....perhaps PSNH already has some of this for Bow?

I don't have specific sampling methodology in mind. If worthwhile, we could try to have a 2nd Asian Clam meeting to discuss 'Volunteer protocols', 'your study' etc. I find people tend to not have time to review much unless you force them into a meeting.

Mike

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**From:** Smagula, Amy [mailto:Amy.Smagula@des.nh.gov]  
**Sent:** Tuesday, January 15, 2013 10:10 AM  
**To:** Marchand, Michael  
**Cc:** nelson.eric@epa.gov  
**Subject:** Asian clam monitoring in 2013

Mike,  
DES and EPA have been discussing the population of the Asian clam in the Merrimack River, particularly with regards to the effects of the thermal plume in the river on the clam population. We were thinking a comparison of Asian clam populations in the Merrimack River at various locations, and maybe looking at either or both Cobbetts Pond in Windham and Long Pond in Pelham to assess the populations of the clam in areas with no thermal influence.

DES routinely submits requests to EPA for lab/staff/funding assistance each year, and I did include a request for monitoring and lab support for Asian clam in NH. Both EPA and DES would like to include you in this partnership, for either technical guidance, field support or both.

We're looking to scope out some methods and a timeframe for monitoring. The attached papers have some good field methods, but we're trying to identify if we should be monitoring early season, mid or late season, or monthly to get an idea over time.

I welcome your input on sample sites and monitoring schedule.

Please let me know if you are interested in participating on some level in this endeavor.

Thank you,

Amy

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Amy P. Smagula
Limnologist/Exotic Species Program Coordinator
NH DES

29 Hazen Drive
Concord, NH 03301
Phone: 603-271-2248
Fax: 603-271-7894
Email: Amy.Smagula@des.nh.gov